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# PUBLICATIONS INDEXED AT THE SECTION OF NEMATOTOLOGY

January 1 to November 15, 1957

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This is a list of 537 publications indexed at the Nematology Section, Crops Research Division, U. S. Department of Agriculture, between January 1 and November 15, 1957. With a few exceptions, all relate to the work of the Nematology Section. This is principally on nematode parasites of plants, but also includes nematode parasites of insects and other invertebrates, the "free-living" nematodes of soil and other habitats, and the nematodes of fresh and marine waters.

Not all the papers were published in 1957; many were published in previous years but did not reach the Section for indexing until 1957. Obviously also, many papers published in 1957 are not included.

No special effort was made to indicate contents of papers published in widely circulated journals. Unless the title gives some indication, a short note on the contents has been added for papers published in less accessible journals. For many papers only abstracts were seen, others are listed from such sources as the Bibliography of Agriculture.

Arrangement is alphabetically by authors.

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With the exception of papers published by employees of the Nematology Section, papers listed herein are NOT AVAILABLE from the Nematology Section. It is suggested that requests for loan of papers be sent to the Regional Libraries of the U.S.D.A., or to cooperating libraries at various State Universities.





Ahlberg, O. 1955 "Look out for the potato nematode--a danger to the potato crop." (In Swedish). Trädgårdstidningen 27(4):18,28-29. Ahlberg gives a brief description of the nematode attacks on potatoes.

1956 "Observations on the nematode problem." (In Swedish) Nord. Jordbrforsk. 38(3/4):399-402.

Allen, M. W. 1957 "A review of the nematode genus Trichodorus with descriptions of ten new species." Nematologica 2(1):32-62.

1955 "A review of the nematode genus Tylenchorhynchus". Univ. of Calif. Publications in Zoology. 61(3):129-166, 12 figs. 37 species are briefly described and figured; among them being 22 new to science.

1957 "A new species of the genus Dolichodorus from California (Nematoda: Tylenchida)." Proc. Helminthol. Soc. Wash. 24(2):95-98.

Allgen, C. A. 1954 "Ueber eine bemerkenswerte neue Sädsee-Art der Nematoden-gattung Sabatieria de Rouville, S. heterospiculum von Säd-Georgien". Kongelige Norske Videnskabers Selskabs Forhandlinger 26(2):4-6. Allgen describes S. heterospiculum n. sp. a marine nematode from So. Georgia.

1954 "Ueber einen bemerkenswerten Fall von Wundheilung in der Oncholaimiden-Gattung Viscosia de Man. Yr. 1953". Kongelige Norske Videnskabers Selskabs Forhandlinger 26(3):7-9. Allgen summaries some published descriptions of nematodes which have shown evidence of bearing wounds which have healed.

Allison, J. L. 1956 "Rotate to control stem nematode disease of alfalfa." Res. and Farming (N. C. Sta.) 15(2):14.

1955 "Nematodes and grassland farming". Pl. Dis. Reporter 39 (5):343-344.

and Sasser, J. N. 1956 "The nematode problem in the southeast--panel discussion." So. Pasture & Forage Crop Impr. Conf. Rpt. (13):54-55.

Andersen, S. 1956 "Collection of cysts of Heterodera major and estimation of the cyst content." Nematologica 1(4):303-306.

Andrassy, I. 1956 "Süsswasser-Nematoden aus Französisch-West-Afrika". Opuscula Zoologica 1(1-4):3-18.

Anon. 1955 "External root nematodes (sting and awl nematodes)". Florida Agric. Exp. Stations, Ann. Report, 335 pages.

1955 "New plant diseases". Agric. Gazette of New South Wales. 66(11):604.

1955 "La lutte contre quelques ennemis du tabac au Lomami. II. Les nematodes des racines." Bull. de l'Institut National pour l'Etude Agronomique du Congo Belge. 4(4):267-273. Experiments by chemicals.

1955 "Migratory root eelworms" N.A.A.S. Quarterly Review, London. (30):261-263.





Anon. 1956. "Foliar nematode disease of ferns and begonias". Agric. Gazette of New So. Wales. 67(5):258-259.

\_\_\_\_\_ 1956. "Nematode on our side" Agric. Research 4(10):3-4.

\_\_\_\_\_ 1957 "New plant diseases". Agr. Gaz. N. S. Wales 68:41-43.

\_\_\_\_\_ 1957 "Potato root eelworm". North Ireland Min. Agr.

\_\_\_\_\_ 1957 "Soil fumigation with Vapam". Agric. Chem. 12(4):47,119.

\_\_\_\_\_ 1957 "Research Work and workers". Seed World 24 pages.

\_\_\_\_\_ 1957 "Foresters are saving seedlings". "Soil bank plantings increase demand for young trees, and research is doing much to help fill these orders." Agriculture Research 5(8):7.

\_\_\_\_\_ 1957 "Nematode control" Agricultural and Food Chemistry 5(3):159-160.

\_\_\_\_\_ 1957 "PRD, a new nematocide". Agric. Chemicals 12(1):78

\_\_\_\_\_ 1957 "The soybean cyst nematode a new pest". U.S. Dept. Agr. (PA-333):4pp.

\_\_\_\_\_ 1957 "Potatoes and Tobacco". What's New in Farm Science. 66 pp.

\_\_\_\_\_ 1957 "Nematocide trials may save money". Southern Florist & Nurseryman. LXIX(49):75. Press release with no information.

Apel, A. and L. Kämpfe 1957 "Beziehungen zwischen wirt und parasit im infektionsverlauf von Heterodera schachtii Schmidt in Kurzfristigen topfversuchen. I. Infektionsgang bei verschiedenen wirtspflanzen." Nematologica II(2):131-143.

Apt, Walter J. 1957 "Narcissus. Root Lesion Nematode". Handbook on Bulb Growing and Forcing 113-116. Symptoms, susceptible varieties and control.

Atkins, John G. and Max J. Fielding 1956 "A preliminary report on the response of rice to soil fumigation for the control of stylet nematodes, Tylenchorhynchus martini". Pl. Dis. Reporter 40(6):488-489.

\_\_\_\_\_ and J. P. Hollis. 1957 "Preliminary studies on root parasitic nematodes of rice in Texas and Louisiana". FAO Plant Protection Bulletin 5(4):53-56.

Ayers, E. L. 1957 "The importance of the nematode problem in the State of Florida". Proc. of the Shell Nematology Workshop. Orlando, Fla. (81 pp. mimeo.) 59-60.

Baines, R. C., Foote, F. J. and Martin, J. P. 1956 "Fumigate soil before re-planting citrus for control of the citrus nematode." Citrus Leaves 36(10):6-8,24,27.

\_\_\_\_\_, R. H. Small, T. A. DeWolfe, J. P. Martin and L. H. Stolsy. 1957 "Control of the citrus nematode and phytophthora spp. by vapam". Pl. Dis. Reporter 41(5):405-414.





Baines, R. C. 1957 "Results with vapam to control nematodes, fungi." Calif. Citrog. 42(6):192,202,204,206,209. Control.

\_\_\_\_\_, R. H. Small, T. A. DeWolfe, J. P. Martin, and L. H. Stolzy 1957 "Nematode and Phytophthora control by Vapam". Citrus Leaves 37(5):6-8, 24,32-33.

Bald, J. G. & Chandler, P. A. 1955 "Propagation from scales of treated croft lily bulbs." Phytopath. 45(12):693.

\_\_\_\_\_, 1957 "Reduction of the root rot complex on croft lilies by fungicidal treatment and propagation from bulb scales." Phytopath. 47(5):285-291.

Barham, W. S. and Sasser, J. N. 1956 "Root knot nematode resistance in tomatoes." (Abs.) Assoc. So. Agr. Workers. Proc. 53:150-151

Basir, M. A. 1956 Oxyuroid Parasites of Arthropoda, a monographic study, 1. Thelastomatidae, 2. Oxyuridae. Zoologica, Orig.-Abhandl. Gesamtgeb. Zool. 38. Bd., 2.Lief., Heft 106, 79 pp., 13 Pl.

Bazan De Segura, C. 1956 Creciente importancia de los nematodes en el cultivo del algodono en el Peru. Lima. Estac. Expt. Agr. de La Molina. Informe Mens. 30 (345):1-3.

Benedict, W. G. and W. B. Mountain 1956 "Studies on the etiology of a root rot of winter wheat in southwestern Ontario" Canadian Journal of Botany 34:159-174.

Benlloch, M. 1955 "La Heterodera schachtii Schmidt, de la remolacha" Agricultura (Madrid) 24:127-130. Describes the symptoms of attacks, life-history and cultural practices.

Bergeson, G. B. 1955 "The use of systemic phosphates for control of Ditylenchus dipsaci on alfalfa and daffodils". Pl. Dis. Reporter 39(10):705-709.

Besemer, A. F. H. and M. Oostenbrink 1955 "Phytotoxische en Nematicide Nawerking van Grondontsmettingen met DD (with English summary)" Mededelingen van de Landbouwhogeschool en de Opzoekingsstations van de Staat te Gent XX (3):279-290. D-D and Chloropicrin.

Bijloo, J. D. 1955 "Een eenvoudige methode voor het bepalen van de inhoud van grote aantallen cysten van Heterodera-soorten." Mededelingen van de Landbouwhogeschool en de opzoekingsstations van de staat te gent. XX(3):291-300. Bijloo describes an improved form of his homogenizer technique for crushing cysts of Heterodera sp.

Bingefors, S. 1956 "Ditylenchus dipsaci resistance of red clover." (In Swedish) Nord. Jordbrforsk. 38(3/4):407-409.

\_\_\_\_\_, 1957 "Studies on breeding red clover for resistance to stem nematodes" Plant Husbandry. Inst. Pl. Husb. (Crop Prod.) R. Ag. Coll. Sweden. 8:123 pp. (In English with Swedish summary)

Birchfield, W. and F. Bistline 1956 "Cover crops in relation to the burrowing nematode, Radopholus similis" Pl. Dis. Rept. 40(5):398-399





Birchfield, Wray and W. J. Martin 1956 "Pathogenicity on sugarcane and host plant studies of a species of Tylenchorhynchus" Phytopathology 46(5):277-280.

\_\_\_\_\_ 1957 "Observations on the longevity without food of the burrowing nematode" Phytopath 47(3):161-162.

Blanchard, Frieda Cobb 1957 "Nathan A. Cobb, botanist and zoologist, a pioneer scientist in Australia" Asa Gray Bulletin N.S. 3(2):205-272.

Bovien, P. 1957 "Plantesygdomme i Danmark 1954. 7. Skadedyr pa landbrugsplanter. 8. Skadedyr pa havebrugsplanter. (Engl. summary, p.604-609)" Tidsskr. f. Planteavl. (Denmark) 60:579-592. Attacks by H. major were reported.

Brande, van den, J., R. H. Kips and J. D'Herde 1955 "Doding van Heterodera rostochiensis-system op begonia-en gloxinia-knollen" Mededelingen van de landbouwhogeschool en de opzoekingsstations van de staat te Gent. XX(3):271-278. Chemical treatments.

Böhm, O. 1956 Beitrag zur kenntnis einer durch nematoden hervorgerufenen krankheit der sellerie" Pflanzenschutzberichte 16:1-20. DD mixture & steaming.

\_\_\_\_\_ 1955 "Lästiges gewärm" Pflanzenarzt 8:68-70. Control by crop rotation, chemicals and steam sterilization.

\_\_\_\_\_ 1956 "Massenaufreten des zwiebelälchens" Pflanzenarzt 9:86-87.

Bradbury, F. R., A. Campbell, C. W. Suckling, H. R. Jameson and F. C. Peacock 1957 "The nematicidal properties of azides (with 1 text-figure)" The Annals of Applied Biology 45(2):241-250.

Brande, van den, J., and Gillard, A. 1957 "Control of the root nematode (Meloidogyne spp.) through electric soil heating" (In Flemish) Tuinbouwberichten 21(4):63-64.

Braun, A. J. & J. A. Keplinger 1957 "Nematodes - are they a limiting factor in grape production in New York?" Farm Research XXIII(1):9.

Brown, E. B., and Goodey, J. B. 1956 "Observations on a race of stem eelworm (Ditylenchus dipsaci) attacking lucerne" Plant. Path. 5:28-29

\_\_\_\_\_ 1956 "A seed-borne attack of chrysanthemum eelworm (Aphelenchoides ritzema-bosi) on the annual aster (Callistephus chinensis)" J. Helminth. XXX(2/3):145-8.

\_\_\_\_\_ 1956 "Damage to Henbane by stem eelworm Ditylenchus dipsaci (Kuhn, 1857) Filipjev, 1936" J. Helminth. XXX(2/3):143-144

\_\_\_\_\_ and E. C. Mason 1956 "New or uncommon plant pests. Unusual hosts of the chrysanthemum eelworm" Plant Pathology 5(4):151

\_\_\_\_\_ 1957 "Lucerne stem eelworm. A serious threat to lucerne growing" Agriculture. (London) 63(11):517-520. Brown reports that 70 fields were found to be infected; seed should be fumigated with methyl bromide, etc.

\_\_\_\_\_ 1957 "Lucerne stem eelworm (Ditylenchus dipsaci), a serious threat to lucerne growing" Dairy Shorthorn J. 26(6):268,286.





Brown, E. B. 1957 "The occurrence of lucerne stem eelworm (Ditylenchus dipsaci) in Great Britain with special reference to the origin of the attacks." Seed Trade Rev. 9(1):30-34.

Brown, G. L. 1956 "Tylenchorhynchus lenorus, n. sp. (Nematoda: Tylenchida) Associated with the roots of wheat." Proc. Helminth. Soc. Wash. 23(2):152-153.

Brown, L. N. 1933 "Flooding to control root-knot nematodes" Jour. Agric. Res. 47(11):883-888.

Brunetti, Beatrice (U. Florence, Italy), and Anna Marinari 1955 "Osservazioni sui nematodi galligeni in Italia. I. Meloidogyne incognita (Kofoid E. White 1919) Chitwood 1949 su radici de tabacco. (Observations on gall-producing nematodes in Italy. I. M. incognita on tobacco roots)" Redia 40:259-267. Nematodes identified as M. incognita were found in badly infected roots of tobacco plants from Salerno. Full descriptions are given of male, female, and larva.

Bryden, J. W. and W. E. H. Hodson 1957 "Control of chrysanthemum eelworm by parathion" Plant Pathology 6(1):20-24. Parathion - chemicals.

Bull, R. A. 1954 "A preliminary list of the oil palm diseases encountered in Nigeria" J. W. Afr. Inst. Oil Palm Res. 1:53-93.

Burgis, D. S. and A. J. Overman 1956 "Crop production in soil fumigated with Crag Mylone as affected by rates, application methods and planting dates" Proc. of Fla. State Hort. Soc. LXIX:207-210.

1957 "Maintenance practices to be observed following soil fumigation" Proc. of the Shell Nematology Workshop, Orlando, Fla. (81 pp. mimeog) 63-65.

Cairns, E. J. 1956 "Recent developments to cope with the nematode menace. (Sum.)" Cotton Gin & Oil Mill Press 57(26):21-22.

Capstick, C. K. 1956 "Lactophenol preparations for soil nematodes" Nature 177(4515):896-897. How to make lactophenol mounts of nematodes.

Carleton, R. M. 1957 "Latest Garden News (Nematode reduces carnation wilt)" 1957 Better Homes & Gardens 35(8):8.

Carroll, J. 1956 "Eelworm and insect pest problems". Journal of the Dept. of Agri. Dublin. 52:44-55. Carroll mentions the potato-root eelworm has already brought to an end the growing of early potatoes in the regions at Rush, etc.

Chapman, R. A. 1957 "Reaction of species of Nicotiana to species of root-knot nematodes" (abstract) Phytopathology 47(1):5.

Cheo, Pen Ching and A. C. Tarjan 1955 "Use of anti-fermentative chemicals for maintaining cultures of Panagrellus redivivus for nematocide screening" Plant Dis. Rept. 39(5):405-406.

Chitwood, B. G. 1957 "Two new species of the genus Criconema Hofmann and Menzel, 1914" Proc. Helminth. Soc. Wash. 24(1):57-61





Chitwood, B. G., C. I. Hannon, and R. P. Esser 1956 "A new nematode genus, Meloidodera, linking the genera Heterodera and Meloidogyne" Phytopathology 46 (5):264-266.

\_\_\_\_\_ and W. Birchfield 1956 "Nematodes, their kinds and characteristics" State Plant Board of Florida Bulletin II(9):51 pp.

\_\_\_\_\_ 1957 "All about nematodes" Proc. of the Shell Nematology Workshop, Orlando, Fla. (81pp. mimeog) 18-23. Re: classical linguistic arguments, general structure and broad classification.

\_\_\_\_\_ and W. Birchfield 1957 "Citrus-root nematode a native to Florida soils" Pl. Dis. Rept. 41(6):525.

\_\_\_\_\_ 1957 "A new genus Hemicriconemoides (Criconeematidae: Tylenchina)" Proc. Helminthol. Soc. Wash. 24(2):80-86.

\_\_\_\_\_ and A. C. Tarjan 1957 "A redescription of Atylenchus decalineatus Cobb, 1913 Nematoda: Tylenchinae" Proc. Helminthol. Soc. Wash. 24 (1):48-52.

\_\_\_\_\_ 1957 "A new species of Xiphinemella Loos, 1950 (Nematoda) from Florida." Proc. Helminthol. Soc. Wash. 24(1):53-56.

Christie, J. R. 1955 "Identity and distribution of soil nematodes" Florida Agric. Exp. Sta. Annual Report, 102 pages.

\_\_\_\_\_ 1957 "The yellows disease of pepper (Piper) and spreading decline of citrus. Pl. Dis. Rptr. 41(4):267-268.

\_\_\_\_\_ 1957 "Plant nematode control problems in Florida" (pp.1-7) "Proc. of the Shell Nematology Workshop, Orlando, Fla. (81pp. mimeo). Lists 6 nematodes as chief plant parasitic forms in Fla., and mentions others, and the role they play.

Coe, Donald M. 1957 "The role of the extension service in nematode control" "Proc. of the Shell Nematology Workshop, Orlando, Fla. (81 pp. mimeo) 46-48. General talk - no species mentioned.

Coetsee, V. 1956 "Meloidogyne acronea, a new species of root-knot nematode. Nature. London 177(4515):899-900. Coetsee describes M. acronea first found on the roots of Sorghum vulgare and transferred to beans and tomatoes.

Colbran, R. C. 1955 "A preliminary survey of plant nematodes in Queensland" Journal Australian Inst. of Agric. Science, pages 167-169

Compton, C. C. and S. H. Benedict 1956 "Nemagon (1,2-dibromo-3-chloropropane) a soil fumigant" Agric. Chemicals 11(3):46-47, 125-126. This is a popular account of the uses of Nemagon as a nematicide.

Courtney, W. D. 1956 "Tulip industry alerted to the danger of bulb and stem nematode infection" Bulb Growers Short Course, Proc. 32-33.

\_\_\_\_\_ 1957 "Bulbous iris. bulb and stem nematodes" Handbook on Bulb Growing and Forcing, pages 6 & 7. Re: symptoms and control. no species mentioned.





Courtney, Wilbur D., Dorothy Polley, and V. L. Miller 1955 "TAF, an improved fixative in nematode technique" Pl. Dis. Rept. 39(7):570-571.

Cox, R. S. 1956 "Control of Diseases in the celery seedbed" Proc. of Florida State Hort. Soc. LXIX:242-244.

Cralley, E. M. 1956 "A new control measure for white tip." Ark. Farm Res. 5(4):5. Foliar disease of rice caused by Aphelenchoides oryzae.

\_\_\_\_\_ 1957 "The effect of seeding methods on the severity of white tip of rice" (abstract) Phytopathology 47(1):7

Crittenden, H. W. 1951 "Reducing nematode damage to truck crops through soil treatment, rotations and resistant varieties" 65th Trans. Peninsula Hort. Soc. 65-70. DD

\_\_\_\_\_ 1955 "Control of Meloidogyne incognita var. acrita (a species of root knot nematode) by crop rotations" Del. Bd. Agr. B. 45(5):20.

\_\_\_\_\_ 1956 "Resistance of oat varieties to two species of root-knot nematodes (abs.)" Phytopathology 46(8):466

Darby, J. F. 1957 "Soil preparation prior to soil fumigation" Proc. of the Shell Nematology Workshop, Orlando, Fla. (81pp. mimeo) 61-62.

Darling, H. M. 1957 "Control of the potato rot nematode in Wisconsin (abs.)" Phytopathology 47(1):7.

Darling, H. M., L. R. Faulkner and P. Wallendal 1957 "Culturing the potato rot nematode (abs.)" Phytopathology 47(1):7.

Daulton, R. A. C. 1955 "Progress report on eelworm control experiments" 1955 Rhodesian Tobacco (11):21-24. Rotation crops on tobacco.

Davidson, J. H. 1957 "Rapid vaporization of methyl bromide in treatment of seedbeds, for turf renovation and other uses." Down to Earth (Dow Chem. Co.) 13(2): 6-9.

1956

Davidsson, I. and Gigja, G. / Kartöfluhnu-Þormurinn og utryming hans." (The potato nematode and its control) Bunaðarfelags Isl. Fræðslurit 18,12 p.

\_\_\_\_\_ 1957 "Danger to potatoes from nematodes" (In Icelandic) Freyr. (6/7):102-103.

DeWolfe, T. A., Klotz, L. J. & Hashimoto, S. 1955 "Nematophagus fungi in citrus orchards" Phytopathology 45(12):693.

Dickey, R. D., A. Griffiths, Jr., & S. E. McFadden, Jr. 1955 "Native and introduced ornamental plants" Fla. Agric. Exp. Sta. Ann. Rpt. p.109 (Only statement on nematodes is "in a second experiment the toxicity of 3 chemical drench treatments which have proven useful in the control of nematodes in plantings of other materials was tested on rose plants established in 4 soil mixtures")





Dijkstra, J. 1956 "Experiences with the breeding of red clover resistant to the stem eelworm (Ditylenchus dipsaci)" Euphytica 5:298-307.

Doliwa, U. 1956 "Experimentelle Untersuchungen an Kartoffelnematoden (Heterodera rostochiensis Wollenweber)" Wissenschaftliche Zeitschrift der Universität Rostock 5:133-149. The author tested 30 vital stains for their effects on living and dead larvae of H. rostochiensis. The basic dye crystalline chrysoidin was shown to stain dead larvae a diffuse lemon yellow, while in living larvae it stained intestinal granules brownish-yellow to orange but the rest of the body remained colourless. These results were obtained whether larvae were killed by heat or by chemicals, & whether they were within the egg-shell or outside it. The stain is not toxic at the concentrations used, namely 1: 20,000 to 1: 50,000, but it takes 19 hours to stain free larvae, 24-36 hours for larvae in eggs & at least 3 days for larvae within cysts. Using chrysoidin for testing viability it was shown that, in water, eggs & cysts were killed in 4 hours at 40°C., in 40 minutes at 50°C & in 5 mins. at 60° C. Free larvae were killed in 2  $\frac{1}{4}$  hours at 40° C in 15 mins. at 50°C & in 5 mins. at 60°C. For air dried cysts, 60 hours at 60°C proved lethal while at 50°C larvae were still alive in the cysts after 4 days. Study of the chemical nature of the cyst wall, larval cuticle & egg membrane showed them to be protein: no chitin was found. Nematode eggs in 0.1% potassium permanganate hatched after 6-8 hours, whether alive or dead. It is concluded that oxidation of substances in the egg membrane enables the larvae to break out. Subsequent movement of the larvae is a secondary phenomenon & is not a pre-requisite for hatching. A number of dyes & salts of heavy metals were tested for toxicity to potato eelworm larvae. Methylene blue & malachite green at concentrations of 1: 2,000 to 1: 10,000 were lethal in 24 hours. Silver nitrate killed hatched larvae in 5  $\frac{1}{2}$  hours at a concentration of 1: 10<sup>7</sup>. A silver coin in a suspension of larvae caused their death in 2-3 days. The other metals were ineffective at the concentrations tested, except mercuric chloride, which was toxic in 24 hours at a concentration of 1: 10<sup>4</sup>.

Dollfus, R. 1956 "Un Diplostriaena De Galliforme (Nematode-Filarioidea)" Ann. de Parasitologie 31(5-6):663-664.

\_\_\_\_\_ and Campana-Rouget, Y. 1956 "Une Nouvelle Espèce D' Ascarophis (Nematoda, Spriurinae) Chez Gadus Luscus L. Révision Du Genre" Annales de Parasitologie 31(4):385-404.

\_\_\_\_\_ 1956 "Helminthes Trouves Dans Le Tube Digestif De Coelacanthès" Memoires De L'Institut Scientifique De Madagascar 11:33-41.

Doncaster, C. C. 1957 "Growth invasion and root diffusate production in tomato and black nightshade inoculated with potato-root eelworm" Nematologica 2(1):7-15.

Dougherty, C. E. 1953 "The genera of the subfamily Rhabditinae Micoletzky, 1922 (Nematoda) Thaper Commemoration Volume 69-76

Drolson, P. N. & E. L. Moore 1955 "The interaction of certain tobacco varieties and plant parasitic nematodes" Pl. Dis. Reporter 39(10):703-704

\_\_\_\_\_ and E. E. Clayton 1957 "Resistance to two Meloidogyne species in breeding lines of flue-cured tobacco" Phytopath. 47(5):312





- Dropkin, V. H. 1957 "A method for determination of the infectivity of Heterodera rostochiensis larvae" *Nematologica* 2(1):72-75
- \_\_\_\_\_ and R. C. King 1956 "Studies on plant parasitic nematodes homogeneously labelled with radiophosphorus" *Exp. Parasitology* 5(5):469-480. A study was made of the volume and phosphorus content of root knot and golden nematodes during differential stages in their life cycles.
- Du Charme, E. P. 1955 "Sub-soil drainage as a factor in the spread of the burrowing nematode" *Proc. Florida State Hort. Soc.* 68:29-30. The lateral spread of burrowing nematode R. similis in Florida citrus groves is influenced by the movement of soil water.
- \_\_\_\_\_ 1956 and Birchfield, W. "Physiologic races of the burrowing nematode in relation to citrus spreading decline" *Proc. of Florida State Hort. Society* LXIX:42-44
- Duddington, C. L., F. G. W. Jones and T. D. Williams 1956 "An experiment on the effect of a predacious fungus upon the soil population of potato root eelworm, Heterodera rostochiensis Woll." *Nematologica* 1(4):341-343
- \_\_\_\_\_ and F. Moriarty 1956 "The effect of predacious fungus and organic matter upon the soil population of beet eelworm, Heterodera schachtii Schm. *Nematologica* 1(4):344-348
- Duddington, C. L. 1957 "The friendly fungi, a new approach to the eelworm problem" London, Faber & Faber 188 p.
- Dunn, E. 1957 "Cereal root eelworm" *Scot. Agr.* 36(3):146-148, The distribution and economic effect of H. major, the life cycle, symptoms on attacked plants, the range of host plants and methods of control are discussed.
- Dunnett, J. M. 1956 "Embedded cysts" in relation to the utilization of potato root eelworm resistance" *Roslin. Scot. Plant Breeding Sta. Annu. Rpt.* 50-56
- Edwards, E. E. 1955 "Further observations on the occurrence of nematodes of the genus Meloidogyne in the Gold Coast" *Journal of Helminthology* XXIX(3):153-170.
- \_\_\_\_\_ 1956 "Studies on resistance to the root-knot nematode of the genus Meloidogyne Goeldi, 1887" *Proc. Helminth. Soc. Wash.* 23(2):112-118
- Ekholm, S. 1957 "Nematodbekämpning och nematodforskning" *Tidsk. f. Lantmän* 38:37-38. This is a popular review of nematodes as parasites of agricultural crops.
- Ellis, D. E., Wells, J. C. and Winstead, N. N. 1957 "Control root-knot in the vegetable garden" *N. C. State Agr. Col. Ext. C.* 337, rev., 15 p.
- Endo, B. Y. and J. N. Sasser, 1957 "The effectiveness of various soil fumigants for control of the soybean cyst nematode (abs.)" *Phytopathology* 47(1):9
- Eno, C. F., Blue, W. G. Good, J. M., Jr. 1955 "The effect of Anhydrous Ammonia on Nematodes, Fungi, Bacteria, and Nitrification in some Florida Soils" *Soil Sc. Soc. of America Proc.* 19(1):55-58. The authors treated field plots by applying anhydrous ammonia through knife-type injectors and extracted nematodes from the soil by the Baermann method and then identified them.





Epps, J. M. 1957 "Soybean cyst nematode found in Tennessee" Plant Dis. Rep. 41(1):33

Esser, R. P. 1957 "An improved post baermann funnel technique" Plant Dis. Rep. 41(4):269-270

European and Mediterranean Plant Protection Organization 1955 "Heterodera rostochiensis Woll. potato root eelworm, Europe, Mediterranean Basin, 1955, 18 p.

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